

**Docket No. SA-537**

**Exhibit No. 6-V**

**NATIONAL TRANSPORTATION SAFETY BOARD**

**Washington, D.C.**

Assistant Deputy Chief Carnes presentation on Asiana  
emergency response

(8 Pages)

# Asiana Airlines Flight 214 Overview of July 6, 2013 Emergency Response

Assistant Deputy Chief Dale Carnes  
San Francisco Fire Department



# Response Summary

- 11:27:48 – Flight 214 impacts the seawall at the approach end of Runway 28L.
- 11:28:00 – Alert 3 dispatched by FAA Control Tower and subsequently repeated by dispatch.
- 11:31:11 – Rescue 88 arrives and initiates fire attack, followed 37 seconds later by Rescue 9.
- 11:33:02 – All seven SFFD-Airport Bureau firefighting units and both paramedic units are on scene.
- 11:34:43 – First of 56 ground ambulances arrives on scene. (\*Time based on SFFD dispatch records)





# Response Summary (cont'd)

- 11:38:37 – SFFD personnel initiate interior search and rescue.
  - 11:46:38 – Last victim extricated from the aircraft.
  - 12:18:30 – Fire in fuselage is extinguished.
  - 13:01:42 – Last ambulance transporting victims from airfield initiates transport.
  - 17:58:33 – Last bus transporting “walking wounded” from terminal initiates transport.
- (\*Time based on SFFD dispatch records)



# Successes

- Arrival of ARFF companies on scene within three minutes, with no prior alert notification or declaration of emergency.
- Knockdown of fire in No. 2 engine in 90-120 seconds.
- Rescue of all trapped passengers within 19 minutes of initial impact.
- Fire extinguished within 47 minutes.



# Challenges

- Large scale incident management.
- Large population of injured survivors.
- Collecting all non-ambulatory injured.
- Radio interoperability between agencies.
- Fire in fuselage above drop ceiling.
- Effective use of piercing nozzle.



# Post-Accident Initiatives

- 40-hour ARFF training for all personnel provided by DFW FRTC.
- Advanced level ARFF training at the DFW FTRC budgeted for a 2014 start.
- Adoption of DFW curriculum for drivers training and HRET training.
- Blue Card incident management training and certification for all officers.
- EMT3 START Triage System to enhance MCI management and patient tracking.





# Post-Accident Initiatives

- EMS Supervisor position upgraded from 40-hour position to 24/7 position.
- Budgeting for dedicated Mass Casualty Unit.
- Developing a more robust Communications Plan.
- Avoiding secondary strikes.
- Procuring a firefighter accountability system – “Passport System”.
- Expanding Airport Division policies and procedures.
- Increasing the level of coordination with the mutual aid community, including lessons learned discussions.





# Questions?

